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	Application No.	Applicant(s)		
	10/600,750	LUYKEN ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Mai-Huong Tran	2818		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comn IGHTS. This application is	in this application. If not included nunication will be mailed in due cou	rse. THIS	
1. This communication is responsive to <u>9/8/03</u> .				
2. The allowed claim(s) is/are 1-29.		•		
3. \boxtimes The drawings filed on <u>08 September 2003</u> are accepted by	the Examiner.	•		
 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).		•		
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the require	ements	
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF	
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment of	or in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on he header according to 37 C	the drawings in the front (not the bac FR 1.121(d).	k) of	
7. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MAT FOR THE DEPOSIT OF B	ERIAL must be submitted. Note IOLOGICAL MATERIAL.	the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 ☐ Notice of L	nformal Patent Application (PTO-15	(2)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	·	Summary (PTO-413),	,,,	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No	./Mail Date s Amendment/Comment		
Paper No./Mail Date 1/2/04	-			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		s Statement of Reasons for Allowan	ice	
	o. <u></u>	_ ;		

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DETAILED ACTION

Reason for allowance

The following is an examiner's statement of reason for allowance: None of the references of record teaches or suggests the claimed Circuit Element Having a First Layer Composed of an Electrically Insulating Substrate Material, a Method for Producing a Circuit Element, Bispyridinium Compounds and their Use in Circuit Elements having:

a monomolecular layer composed of redox-active bispyridinium molecules, which is arranged between the first layer composed of the electrically insulating substrate material and the second layer with the second electrically conductive material, with the bispyridinium molecules in the monomolecular layer being immobilized on the electrically conductive material which is in the form of at least one discrete area, and with bispyridinium molecules in the monomolecular layer making electrical contact with the second electrical material of the second layer, wherein electrically inert molecules are immobilized on the first layer which is composed of the electrically insulating substrate material, and which molecules form a matrix which surrounds the at least one discrete area with the monomolecular layer composed of bispyridinium molecules.

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Immobilizing redox-active bispyridinium molecules are immobilized as monomolecular layer on the at least one discrete area which is composed of the first electrically conductive material; immobilizing electrically inert molecules are immobilized on the first layer which is composed of the electrically insulating substrate material, whereby the electrically inert molecules form a matrix which surrounds the at least one area with the monomolecular layer composed of bispyridinium molecules; and applying a second layer with a second electrically conductive material to the layer composed of the electrically inert molecules and the bispyridinium molecules, whereby the bispyridinium molecules in the monomolecular layer make contact with the second electrical material of the second layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

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Conclusion

Any inquiry concerning this communication on earlier communications from the examiner should be directed to Mai-Huong Tran, (571) 272-1796. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:30 PM. The examiner's supervisor, David Nelms can be reached on (571) 272-1787.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mai-Huong Tran